Set Name Query side by side		Hit Count	Set Name result set
DB	USPT,JPAB,EPAB,DWPI,TDBD; PLUR_YES; OP_ADJ		
<u>L1</u>	(ethylene with olefin) or (ethylene with olefine) or (ethylene with butylene) or (ethylene with propylene) or (ethylene with hexene) or (ethylene with butene) or (ethylene with octene)	194507	<u>L1</u>
<u>L2</u>	shore same L1	696	<u>L2</u>
<u>L3</u>	hardness same L1	2096	<u>L3</u>
<u>L4</u>	"JIS K 6253" same L1	1	<u>L4</u>
<u>L5</u>	12 or 13 or L4	2181	<u>L5</u>
<u>L6</u>	melt flow same L1	4823	<u>L6</u>
<u>L7</u>	melt index same L1	4695	<u>L7</u>
<u>L8</u>	l6 or L7	8879	<u>L8</u>
<u>L9</u>	density same L1	17445	<u>L9</u>
<u>L10</u>	15 and 18 and L9	138	<u>L10</u>
<u>L11</u>	thermoplastic elastomer or (olefin with rubber) or (olefine with rubber) or thermoplastic vulcanizate	31116	<u>L11</u>
<u>L12</u>	gel same L11	622	<u>L12</u>
<u>L13</u>	shore same L11	948	<u>L13</u>
<u>L14</u>	hardness same L11	1853	<u>L14</u>
<u>L15</u>	113 or L14	1959	<u>L15</u>
<u>L16</u>	111 and dynamic\$ heat	409	<u>L16</u>
<u>L17</u>	112 and 115 and L16	12	<u>L17</u>
<u>L18</u>	110 and L17	0	<u>L18</u>

END OF SEARCH HISTORY

Set Name Query side by side		Hit Count Set Name result set	
DB/U	SPT,JPAB,EPAB,DWPI,TDBD; PLUR_YES; OP_ADJ		
<u>L1</u>	(ethylene with olefin) or (ethylene with olefine) or (ethylene with butylene) or (ethylene with propylene) or (ethylene with hexene) or (ethylene with butene) or (ethylene with octene)	194507	<u>L1</u>
<u>L2</u>	shore same L1	696	<u>L2</u>
<u>L3</u>	hardness same L1	2096	<u>L3</u>
<u>L4</u>	"JIS K 6253" same L1	1	<u>L4</u>
<u>L5</u>	12 or 13 or L4	2181	<u>L5</u>
<u>L6</u>	melt flow same L1	4823	<u>L6</u>
<u>L7</u>	melt index same L1	4695	<u>L7</u>
<u>L8</u>	16 or L7	8879	<u>L8</u>
<u>L9</u>	density same L1	17445	<u>L9</u>
<u>L10</u>	15 and 18 and L9	138	<u>L10</u>
<u>L11</u>	thermoplastic elastomer or (olefin with rubber) or (olefine with rubber) or thermoplastic vulcanizate	31116	<u>L11</u>
<u>L12</u>	gel same L11	622	<u>L12</u>
<u>L13</u>	shore same L11	948	<u>L13</u>
<u>L14</u>	hardness same L11	1853	L14
<u>L15</u>	113 or L14	1959	<u>L15</u>
<u>L16</u>	111 and dynamic\$ heat	409	<u>L16</u>
<u>L17</u>	112 and 115 and L16	12	<u>L17</u>
<u>L18</u>	110 and L17	0	<u>L18</u>
<u>L19</u>	112 and 115	73	<u>L19</u>
<u>L20</u>	110 and L19	0	<u>L20</u>

END OF SEARCH HISTORY

Set Name Query side by side		Hit Count S	Set Name result set
DB/U	SPT,JPAB,EPAB,DWPI,TDBD; PLUR_YES; OP_ADJ		
<u>L1</u>	(ethylene with olefin) or (ethylene with olefine) or (ethylene with butylene) or (ethylene with propylene) or (ethylene with hexene) or (ethylene with butene) or (ethylene with octene)	194507	<u>L1</u>
<u>L2</u>	shore same L1	696	<u>L2</u>
<u>L3</u>	hardness same L1	2096	<u>L3</u>
<u>L4</u>	"JIS K 6253" same L1	1	<u>L4</u>
<u>L5</u>	12 or 13 or L4	2181	<u>L5</u>
<u>L6</u>	melt flow same L1	4823	<u>L6</u>
<u>L7</u>	melt index same L1	4695	<u>L7</u>
<u>L8</u>	l6 or L7	8879	<u>L8</u>
<u>L9</u>	density same L1	17445	<u>L9</u>
<u>L10</u>	15 and 18 and L9	138	<u>L10</u>
<u>L11</u>	thermoplastic elastomer or (olefin with rubber) or (olefine with rubber) or thermoplastic vulcanizate	31116	<u>L11</u>
<u>L12</u>	gel same L11	622	<u>L12</u>
<u>L13</u>	shore same L11	948	<u>L13</u>
<u>L14</u>	hardness same L11	1853	<u>L14</u>
<u>L15</u>	113 or L14	1959	<u>L15</u>
<u>L16</u>	III and dynamic\$ heat	409	<u>L16</u>
<u>L17</u>	112 and 115 and L16	12	<u>L17</u>
<u>L18</u>	110 and L17	0	<u>L18</u>
<u>L19</u>	112 and 115	73	<u>L19</u>
<u>L20</u>	110 and L19	0	<u>L20</u>
<u>L21</u>	115 and L19	73	<u>L21</u>
<u>L22</u>	((525/191 525/209 525/216 525/232 525/238 525/240 525/241)!.CCLS.) and L21	21	<u>L22</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 21 returned.

1. Document ID: US 6503985 B1 L23 Entry 1 cf 21 File: USFT Jan 7, 2003 US-PAT-NO: 6503935 IDCUMENT-IDENTIFIER: US 6503985 B1 TITLE: Thermoplastic elastomers having improved set and feams made therefrom LATE | ISSUED: January 7, 2003 INVENTOR-INFORMATION: HAME CITYSTATE ZIF CODE COUNTRY Ellul; Maria D. Silver Lake Village ÐΗ Sahnbune, Abdelhadi ЭН US-CL-CUFRENT: 525, 191; 525 199, 525, 232, 525, 240, \$25/241, 525/326.1, 525, 326.7

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw Desc Image

2. Document ID: US 6482892 B1

L2D: Entry 2 of 21

File USPT

Nev 19, 2002

US-PAT-NC 6482892

DOCUMENT-IDENTIFIEF: US 6481892 B1

TITLE: Clefinic thermoplastic elastomer composition

DATE-ISSUED. November 19, 2002

INVENTIR-INFORMATION:

NAME CITY STATE
Hatayama; Seizo Tokyo
Himura; Kazuo Tokyo
Chashi; Kazuhiro Tokyo
Horie; Minoru Tokyo

ZIF CODE

COUNTRY JF JF

JF JF

US-CLI-CURRENT: 525, 191; 525, 210, 525, 211, 525, 227, 525, 231, 525, 232, 525, 236,

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KNAC Draw Desc Image

3. Document ID: US 6451915 B1

<u>525/237, 525/238, 525/239, 525/240, 525/241</u>

L21: Entry 3 of 21

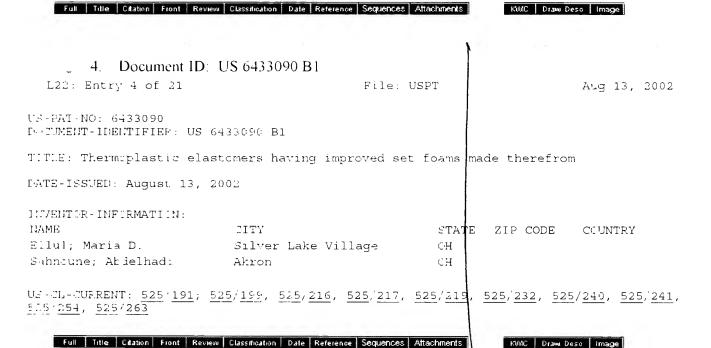
File: USPT

Sep 17, 2002

US-PAT-NC: 6451915

DUCUMENT-IDENTIFIER: US 6451915 B1 TITLE: Thermoplastic elastomers having improved processing and physical property balance TATE-ISSUED: September 17, 2002 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE CCUNTRY Ellul, Maria D. Silver Lake Village $\odot H$ McDaniel; Paul E. Cuyahoga Falls $\odot H$ Feltier; Thomas L. Akron OHTheng, Jianya Fairlawn $\odot H$ Brant; Patrick Seabrook TXTXDekmezian; Armenag H. Kingwood

US-CL-CURRENT: 525/191; 525/203, 525/216, 525/232, 525/240, 525/241



5. Document ID: US 6268438 B1

L22: Entry 5 of 21

File: USPT

Jul 31, 2001

US-FAT-NO: 6.68438

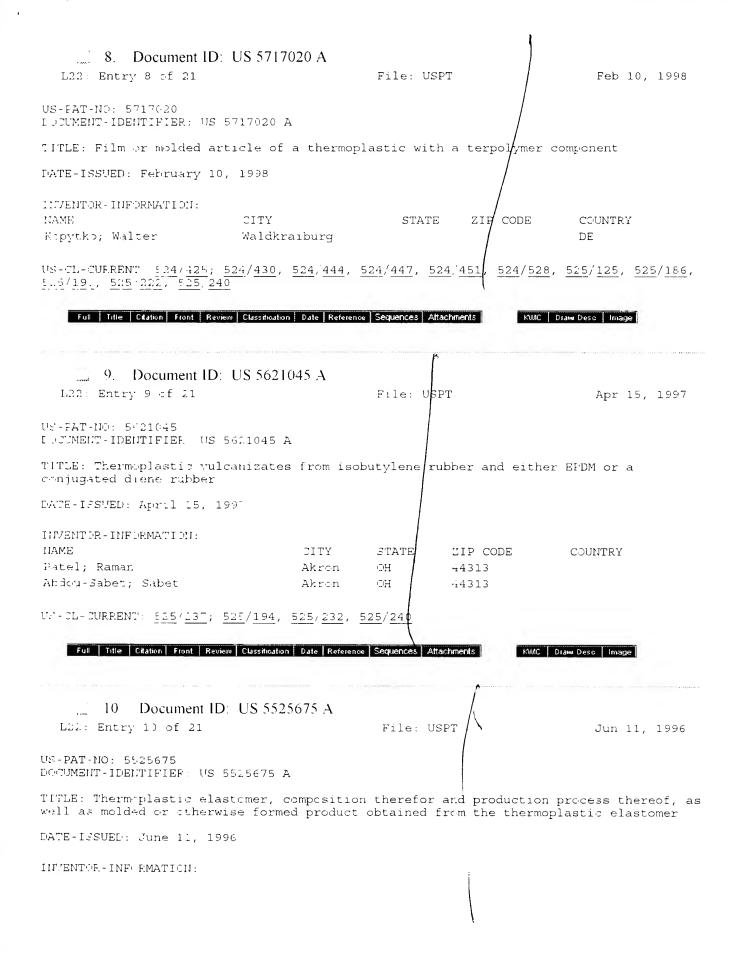
DOCUMENT-ILENTIFIER: US 6268438 B1

TITLE: Therm:plastic elastomeric compositions

DATE-ISSUED: July 31, 2001

INVENTUR-INFORMATION:

NAME STATE IP CODE COUNTRY CITY Ellul; Maria Dolores Silver Lake $\odot H$ Hazelton; Dinald Foss Hudson OН TXComewith, Charles Bellaire Mehta; Aspy Keki Humble TX US-CL-CUFRENT: 525/340; 502/113, 502/117, 521/143, 525/197, 526/119, 526/127, 526/160, <u>506/349.1</u> Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Deso Image 6. Document ID: US 6084031 A L22: Entry 6 of 21 File: USP Jul 4, 2000 US-FAT-NC: 6084031 DOCUMENT-IDENTIFIER: US 6084031 A TITLE: TFV from hydrosilylation crosslinking of acrylic modified bromo XP-50 butyl rubber DATE-ISSUED July 4, 2000 INVENTOR-INFORMATION: MAME CITY STATE ZIP CODE COUNTRY Medsker; Robert E. Hartville ŀΗ ЭН Patel; Raman Akren Wang; Donald Akrer. .:H UF-CL-CURRENT: 525/192; 525/194, 525/195, 525/197 525/241 Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Desc Image 7. Document ID: US 5936039 A L22: Entry 7 of 21 File: USPT Aug 10, 1999 US-PAT-NO: 5036039 DOCUMENT-IDENTIFIEF: US 5936039 A TITLE: Processes for producing therm plastic elastomers having improved engineering performance DATE-ISSUED: August 10, 1999 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE CCUNTRY Wang; Kang-Bo Copley ΞH 44321 Shen; Kuo-Shein Akron ÞΗ 44333 Venkataswamy; Krishna Akron OН 44333 Chmielewski; Craiq A. Medina \circ H 44256 $\text{US-CL-CURRENT: } \underline{525/178}; \ \underline{525/133}, \ \underline{525/141}, \ \underline{525/198}, \ \underline{525/232}, \ \underline{525/240}, \ \underline{525/271}$ Full Title Citation Front Review Classification Date Reference Sequences Attachments



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Search Results - Record(s) 11 through 20 of 21 returned.

L22: Entry 11 of 21 File: USPT Jan 15, 1991 US-PAT-NO: 4985502 LOCUMENT-HENTIFIER US 4935502 A TITLE: Thermoplastic elastomer IATE-ISSUED: Canuary 15, 1991 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY Izumi; Zenichiro Uita JΕ Kurosawa; Shigeru Oita JΡ Akiyoshi; Rika Dita JF

US-CL-CUFFENT: 525/194; 524 528, 525/193, 525/211, 525/240, 525/88, 525/97

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KVMC Draw Desc Image

12. Document ID: US 4822855 A

L22 Entry 12 of 21

File: USPT

Apr 18, 1989

US-PAT-NO: 4822855

ECCUMENT-HENTIFIER: US 4822855 A

TITLE: Thermoplastic elastoner compositions

DATE-ISSUED: April 18, 1989

INVENTOR-INFORMATION:

EMAII CITY STATE ZIP CODE CCUNTRY Kobayashi; Seizo Yokohama JF Usui; Katumi Yokohama JF Mizze; Takashi Yokohama JP Yamabka; Noboru Yokohama JΡ Matsuura; Kazuo Tckyo JΡ

US-CL-CURRENT: <u>525/194</u>; <u>525/193</u>, <u>525/211</u>, <u>525/240</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWWC Draw Desc Image

.... 13. Document ID: US 4818785 A

L22: Entry 13 of 21

File: USPT

Apr 4, 1989

```
US-PAT-NO: 4818785
FOCUMENT-IDENTIFIER: US 4818785 A
TITLE: Fine particulate crosslinked amorphous copolymer and preparation and use thereof
DATE-ISSUED: April 4, 1989
INVENTOR-INFORMATION:
NAME
                              CITY
                                                 STATE
                                                          ZIP CODE
                                                                            COUNTRY
Ctawa; Yasuhiko
                              Ichihara
                                                                            JΕ
Tojo; Tetsuc
                              Ichihara
                                                                            JF
Matsuda; Akira
                                                                            JI:
                              Ichihara
Okamoto; Katsus
                              Funabashi
                                                                            JF
US-CL-CURRENT: <u>524/576; 524/536, 525/177, 525/193, 525/194</u>, 525/211, 525/240, 525/304,
<u>525/319</u>, <u>525</u>, 387
    Full Title Citation Front Review Classification Date Reference Sequences Attachments
      14 Document ID: US 4722973 A
  L21: Entry 14 of 21
                                                  File: USPT
                                                                                Feb 2, 1988
US-FAT-NO: 4722973
DOCUMENT-IDENTIFIER: US 4722973 A
TITLE: Theromplastic elastomer composition
DATE-ISSUED. February 2, 1938
INVENTOR-INFORMATION:
HAME
                               CITY
                                                 STATE
                                                           ZIP CODE
                                                                            COUNTRY
Yamacka; Noboru
                                Yckchama
                                                                            JF
Tanabe; Kiyiyasu
                               Tckyo
                                                                            JF
Usuı; Katumi
                               Yokchama
                                                                            JP
Mizoe; Takashi
                                Yckchama
                                                                            JΕ
Matsuura; Hazuo
                                Tokyo
                                                                            JF
US-CL-CURRENT: <u>525/240</u>; <u>525/193</u>, <u>525/194</u>, <u>525/21</u>
    Full Title Citation Front Review Classification Date Reference Sequences Attachments
                                                                    KWIC Draw Deso Image
     15 Document ID: US RE32028 E
  L22: Entry 15 of 21
                                                 File: USPT
                                                                           Nov 12, 1985
US-PAT-NC: RE32028
DOCUMENT-IDENTIFIER US RE32028 E
TITLE: Dynamically partially cured thermoplastic blend of monoolefin copolymer rubber
and polyolefin plastic
DATE-ISSUED: November 12, 1985
INVENTOR - INFORMATION -
NAME
                                     CITY
                                                  STATE
                                                             ZIP CODE
                                                                            COUNTRY
Fischer; William K.
                                    Meaford
                                                                            CA
```

US-CL-CURRENT: 525/194; 525/192, 525/195, 525/197, 525/198, 525/211, 525/240 Full Title Citation Front Review Classification Date Reference ___ 16. Document ID: US RE31518 E L23: Entry 16 of 21 File: USPT Feb 7, 1984 US-PAT-ND: RE31518 IDCUMENT-IDENTIFIEE: US RE31518 E TITLE: Dynamically partially cured thermoplastic blend of monoclefin copplymer rubber and polyplefin plastic DATE-ISSUED February 7, 1934 INVENTOR-INFORMATION: CITY STATE COUNTRY NAME MIF CODE Fischer; William K. Meaford US-CL-CUFERNY: 525:194; 525 192, 525/195, 525/197, 525/198, 525/211, 525:240 Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Desc Image Document ID: US RE30405 E 17 L20: Entry 17 of 21 Fil∉: USPT Sep 16, 1980 US-PAT-NO: RE30405 DOCUMENT-IDENTIFIER: US RE30405 E TITLE: Thermiplastic blend of partially cured monoolefin copolymer rubber and polyclefin plastic DATE-ISSUED: September 16, 1980 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE CCUNTRY Fischer; William K. Meaford US-CL-CURRENT: <u>525/240; 525/192, 525/193, 525/194, 525/198</u> Full Title Citation Front Review Classification Date Reference Sequences Attachments KNAC Draw Desc Image Document ID: US 4130535 A L22: Entry 18 of 21 File: USPT Dec 19, 1978 US-PAT-NC: 4130535 DOCUMENT-IDENTIFIEE: US 4130535 A TITLE: Thermoplastic vulcanizates of olefin rubber and polyclefin resin DATE-ISSUED: December 19, 1078

: NC: TAMRC: ROTHEVILL NAME CITY ZIP CODE STATE COUNTRY Coran; Aubert Y. Akren ÐΗ Das: Balbhadra Akran ΩH Fatel; Raman P. Akren ŪΗ US-CL-CURRENT: 524/487; 428/903.3, 524/495, 545/211, 525/232 Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Desc Image 19 Document ID: US 4088714 A L22: Entry 19 of 21 e: USFT May 9, 1978 US-FAT-NO: 4088714 DOCUMENT-IDENTIFIER: US 4083714 A TITLE Cross-linked melt-flowable thermoplastic elastomer blend comprising EPR or EPDM, polyethylene and polypropylene DATE-ISSUED May 9, 1978 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY Huff; Terrence Baytown TXUS-CL-CUFRENT: 525, 193; 525, 194, 525 232 Full Title Citation Front Review Classification Date Reference Sequences Attachments 20. Document ID: US 3835201 A L22: Entry 20 of 21 File: USPT Sep 10, 1974 US-PAT-NC: 3835201 DOCUMENT-IDENTIFIER: US 383:201 A TITLE: THERMOPLASTIC BLEND OF COPOLYMEF RUBBER AND POLYDLEFIN PLASTIC DATE-ISSUED: September 10, 1974 INVENTOR-INFORMATION: EMAN CITY STATE ZIP CODE COUNTRY Fischer; William K. Woodbury CT US-CL-CURRENT: 525/211; 524/255, 524 256, 524/525, 525/232, 525/240 Full Title Citation Front Review Classification Date Reference Sequences Attachments Generate Collection Print

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Search Results - Record(s) 21 through 21 of 21 returned.

21. Document ID: US 3758643 A

L22: Entry 21 of 21

File: USPT

Sep 11, 1973

US-PAT-NO: 3758643

DOCUMENT-IDENTIFIER: US 3758643 A

TITLE: THE MOPLASTIC BLEND OF PARTIALLY CURED MONOCLEFIN COPOLYMER RUBBER AND

POLYOLEFIN PLASTIC

DATE-ISSUED: September 11, 1973

INVENTOR-INFORMATION:

NAME

CITY

STATE

CT

ZIP CODE

COUNTF.Y

Fischer; William K.

Woodbury

US-CL-CURRENT 535/51; 525/191, 525/194, 525/310, 525/211, 525/240

Full Title Citation Front Review Classification Date Reference Sequences Attachments

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Term	
525/191 EPAB,JPAB,USPT	564
525/209 EPAB,JPAB,USPT	236
525/216 EPAB,JPAB,USPT	281
525/232 EPAB,JPAB,USPT.	1171
525/238 EPAB,JPAB,USPT	326
525/240 EPAB,JPAB,USPT	2469
525/241 EPAB,JPAB,USPT	553
(21 AND ((525/209 525/216 525/238 525/241 525/191 525/232 525/240)!.CCLS.)).USPT,JPAB.EPAB,DWP1,TDBD.	21
(((525/191 525/209 525/216 525/232 525/238 525/240 525/241)!.CCLS) AND L21) USPT,JPAB,EPAB,DWPI,TDBD.	21

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